

## UTAH OIL AND GAS CONSERVATION COMMISSION

REMARKS: WELL LOG \_\_\_\_\_ ELECTRIC LOGS \_\_\_\_\_ FILE X WATER SANDS \_\_\_\_\_ LOCATION INSPECTED OIL WELL SUB. REPORT/abd \_\_\_\_\_

DATE FILED

4-17-81

LAND: FEE &amp; PATENTED

STATE LEASE NO.

PUBLIC LEASE NO.

U-44749

INDIAN

DRILLING APPROVED:

4-24-81

SPUDDED IN:

COMPLETED:

PUT TO PRODUCING:

INITIAL PRODUCTION:

GRAVITY A.P.I.

GOR:

PRODUCING ZONES:

TOTAL DEPTH:

WELL ELEVATION:

DATE ABANDONED:

LOCATION ABANDONED well never drilled 6-1-81

FIELD:

Wildcat 3/86 Eight Mile Flat North

UNIT:

COUNTY:

Uintah

WELL NO.

Federal #13-24A

API NO. 43-047-30929

LOCATION

755 FT. FROM (X) (S) LINE.

588

FT. FROM (X) (W) LINE

SW SW

1/4 - 1/4 SEC.

24

TWP.

RGE.

SEC.

OPERATOR

TWP.

RGE.

SEC.

OPERATOR

9S

18E

24

MAPCO PRODUCTION CO.

UNITED STATES  
DEPARTMENT OF THE INTERIOR  
GEOLOGICAL SURVEY

13

## APPLICATION FOR PERMIT TO DRILL, DEEPEN, OR PLUG BACK

1a. TYPE OF WORK DRILL <input checked="" type="checkbox"/> DEEPEN <input type="checkbox"/> PLUG BACK <input type="checkbox"/>		5. LEASE DESIGNATION AND SERIAL NO. U-44749
b. TYPE OF WELL OIL WELL <input checked="" type="checkbox"/> GAS WELL <input type="checkbox"/> OTHER <input type="checkbox"/> SINGLE ZONE <input type="checkbox"/> MULTIPLE ZONE <input type="checkbox"/>		6. IF INDIAN, ALLOTTEE OR TRIBE NAME
2. NAME OF OPERATOR MAPCO Production Co.		7. UNIT AGREEMENT NAME
3. ADDRESS OF OPERATOR 1643 Lewis Avenue, Suite 202, Billings, MT 59102		8. FARM OR LEASE NAME
4. LOCATION OF WELL (Report location clearly and in accordance with any State requirements.) At surface 588' FWL and 755' FSL SW SW At proposed prod. zone		9. WELL NO. Fed. 13-24A
14. DISTANCE IN MILES AND DIRECTION FROM NEAREST TOWN OR POST OFFICE* 20 miles south of Myton, Utah		10. FIELD AND POOL, OR WILDCAT <del>Sheep Wash</del> Wildcat
15. DISTANCE FROM PROPOSED* LOCATION TO NEAREST PROPERTY OR LEASE LINE, FT. (Also to nearest drlg. unit line, if any) 588'		11. SEC., T., R., OR BLK. AND SURVEY OR AREA Sec. 24, T. 9 S., R. 18 E.
16. NO. OF ACRES IN LEASE 280		12. COUNTY OR PARISH Uintah
17. NO. OF ACRES ASSIGNED TO THIS WELL 80		13. STATE UT
18. DISTANCE FROM PROPOSED LOCATION* TO NEAREST WELL, DRILLING, COMPLETED, OR APPLIED FOR, ON THIS LEASE, FT. 2000'		19. PROPOSED DEPTH 5575' Wasatch
20. ROTARY OR CABLE TOOLS Rotary		21. ELEVATIONS (Show whether DF, RT, GR, etc.) 4929 G.L.
22. APPROX. DATE WORK WILL START* Summer 1981		

## 23. PROPOSED CASING AND CEMENTING PROGRAM

SIZE OF HOLE	SIZE OF CASING	WEIGHT PER FOOT	SETTING DEPTH	QUANTITY OF CEMENT
12-1/4"	8-5/8"	24# K-55	400'	Cmt to surface
7-7/8"	5-1/2"	15.5# K-55	5575'	Cmt to surface

1. Drill a 12-1/4" hole with an air rig to 400'. Run 8-5/8", K-55 casing and cement to surface.
2. NU and pressure test BOP stack prior to drilling out below surface pipe.
3. Test pipe rams daily and blind rams as possible.
4. Drill a 7-7/8" hole to 5575' with a fresh water mud system. No cores are planned. DST's will be run as needed to evaluate unexpected shows.
5. Run logs. Set 5-1/2", 15.5#, K-55 casing. Casing program may be modified to provide added burst strength if needed for frac program.
6. Primary zone of interest is the Green River section.
7. All zones indicating potential for economically recoverable reserves will be tested in a normal, prudent manner.

SEE BACK FOR LOG TOPS

IN ABOVE SPACE DESCRIBE PROPOSED PROGRAM: If proposal is to deepen or plug back, give data on present productive zone and proposed new productive zone. If proposal is to drill or deepen directionally, give pertinent data on subsurface locations and measured and true vertical depths. Give blowout preventer program, if any.

24. SIGNED Richard Baumann TITLE Engineering Tech. DATE 3-17-81  
(This space for Federal or State office use)

PERMIT NO. \_\_\_\_\_ APPROVAL DATE \_\_\_\_\_

APPROVED BY \_\_\_\_\_ TITLE \_\_\_\_\_ DATE \_\_\_\_\_

CONDITIONS OF APPROVAL, IF ANY:

APPROVED BY THE DIVISION  
OF OIL, GAS, AND MININGDATE: 4-17-81BY: M. J. Minder

\*See Instructions On Reverse Side

22

## Instructions

**General:** This form is designed for submitting proposals to perform certain well operations, as indicated, on all types of lands and leases for appropriate action by either a Federal or a State agency, or both, pursuant to applicable Federal and/or State laws and regulations. Any necessary special instructions concerning the use of this form and the number of copies to be submitted, particularly with regard to local, area, or regional procedures and practices, either are shown below or will be issued by, or may be obtained from, the local Federal and/or State office.

**Item 1:** If the proposal is to redrill to the same reservoir at a different subsurface location or to a new reservoir, use this form with appropriate notations. Consult applicable State or Federal regulations concerning subsequent work proposals or reports on the well.

**Item 4:** If there are no applicable State requirements, locations on Federal or Indian land should be described in accordance with Federal requirements. Consult local State or Federal office for specific instructions.

**Item 14:** Needed only when location of well cannot readily be found by road from the land or lease description. A plat, or plats, separate or on this reverse side, showing the roads to, and the surveyed location of, the well, and any other required information, should be furnished when required by Federal or State agency offices.

**Items 15 and 18:** If well is to be, or has been directionally drilled, give distances for subsurface location of hole in any present or objective production zone.

**Item 22:** Consult applicable Federal or State regulations, or appropriate officials, concerning approval of the proposal before operations are started.

### LOG TOPS

Green River	1830
Wasatch	5476

79-128-50

TEN-POINT COMPLIANCE PROGRAM OF NTL-6  
APPROVAL OF OPERATIONS

Attached to Form 9-331C

Company: MAPCO PRODUCTION COMPANY

Well: FED 13-24A

Well Location: 588' FWL & 755 FSL

Section Sec. 24, T. 9 S., R. 18 E

County: Uintah State: UT

1. Geologic Surface Formation

UINTAH

2. Estimated Important Geologic Markers

<u>Formation</u>	<u>Depth</u>
Uintah	Surface
Green River	1830
Wasatch	5476

3. Estimated Depths of Anticipated Water, Oil, Gas or Minerals

<u>Formation</u>	<u>Depth</u>	<u>Remarks</u>
Green River X Marker	2520	Oil
Green River I zone	4216	Oil
Green River K zone	4478	Oil

4. The Proposed Casing Program

<u>SIZE OF CASING</u>	<u>WEIGHT &amp; GRADE</u>	<u>SETTING DEPTH</u>	<u>QUANTITY OF CEMENT</u>
8-5/8"	24# K-55	400'	Cmt to Surface
5-1/2"	15.5# K-55	5575	Cmt to Surface

5. The Operator's Minimum Specifications for Pressure Control

See Figure #1, attached.

BOP stack has a 3000 psi working pressure. BOP's will be pressure tested before drilling casing cement plugs.

Pipe rams will be operated daily and blind rams as possible.

6. The Type and Characteristics of the Proposed Circulating Muds

Fresh water gel system. Use LCM as required to control loss circulation. Mud system to have proper rheological properties to maintain sufficient viscosity to clean hole, run logs and to land and cement casing.

7. The Auxiliary Equipment to be Used

- 1) Kelly cock.
- 2) Full opening valve on floor with DP connection for use when Kelly is not in string.
- 3) Pit volume totalizer equipment will be used.

8. The Testing, Logging, and Coring Programs to be Followed

A two (2) man mud logging unit will be in operation from surface to T.D. The following open hole logs will be run:

- 1) SP-Dual Induction, SFL
- 2) FDC-CNL-GR,

Exact logging detail and procedures will be prepared prior to reaching logging depth.

9. Any Anticipated Abnormal Pressures or Temperatures Expected

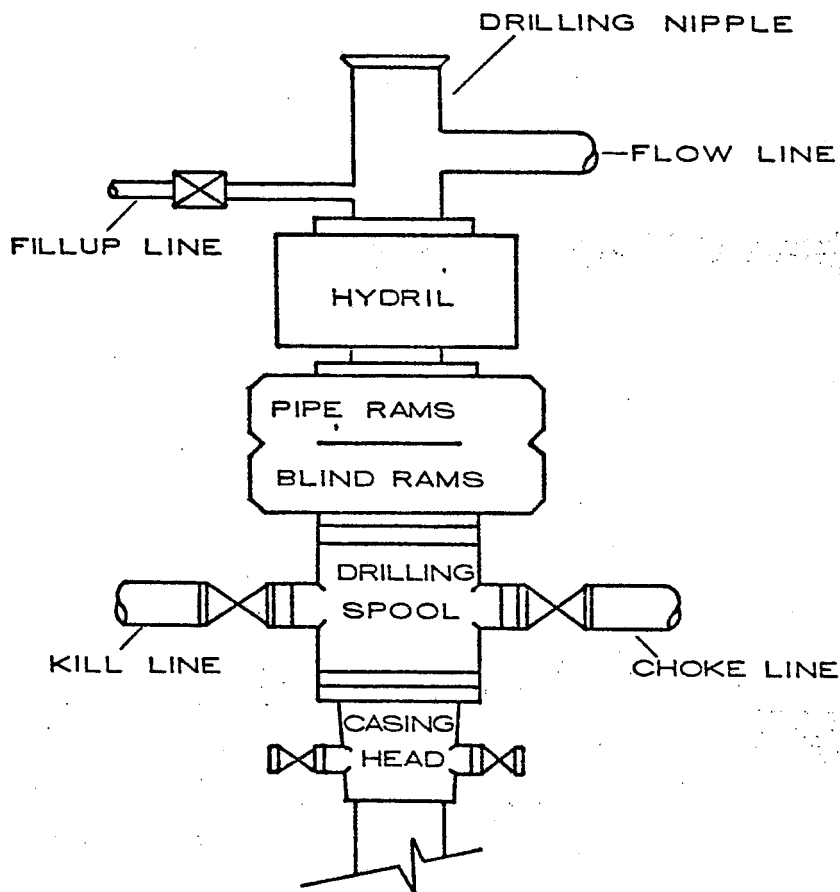
No abnormal pressures are anticipated nor is the area known for abnormal temperatures. The formations to be penetrated do not contain H<sub>2</sub>S gas.

10. The Anticipated Starting Date and Duration of the Operations

Starting Date: Summer 1981

Duration: 15-20 Days

## BOP STACK



## CHOKE MANIFOLD

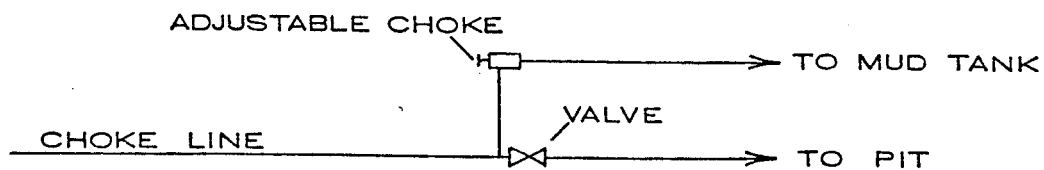


FIGURE 1

MULTI-POINT REQUIREMENTS TO ACCOMPANY APD

Attached to Form 9-331C

COMPANY: MAPCO PRODUCTION COMPANY

WELL: Fed 13-24A

WELL LOCATION: 588' FWL and 755' FSL

Section 24, T. 9 S., R. 19 E.

County: Uintah State: UT

1. Existing Roads

- A. The proposed well site and elevation plat is shown as Exhibit A.
- B. Location is  
as shown in Exhibit B.
- C. An access road of about, 100' will be needed to reach  
the location from the existing road as shown in Exhibit B.
- D. All existing roads are shown on Exhibits B & D.
- E. There is no anticipated construction on any existing roads.

2. Planned Access Roads

- 1. Width: Maximum of 30' right-of-way with road bed being approximately  
16'-18', and remainder of right-of-way to be used for borrow  
ditches.
- 2. Maximum grade: 8%
- 3. Turnouts: None
- 4. Drainage design: Drain ditches along either side of the road, where  
necessary for drainage with material from borrow  
ditch used to build crown of road. As per meeting  
with BLM, BIA & USGS on May 3, 1979. No speed curves  
on hills.
- 5. Culverts: None
- 6. Surface materials: Native dirt.
- 7. Gates, cattleguards, fence cuts: None



3. Location of Existing Wells

All existing wells known in the area are shown directly on Exhibit B within the one-mile radius.

1. Water wells: None
2. Abandoned wells: One Fed 11-26A
3. Temporarily abandoned wells: None
4. Disposal wells: None
5. Drilling wells: None
6. Producing wells: One Fed 7-25A
7. Shut-in wells: None
8. Injection wells: None
9. Monitoring or observation wells: None

4. Location of Existing and/or Proposed Facilities

A. The location of existing and/or proposed facilities, if any, owned or controlled by lessee/operator within the 1-mile radius will be shown on Exhibit B.

1. Tank batteries: None
2. Production facilities: at Fed 7-25A
3. Oil gathering lines: None
4. Gas gathering lines: None

5. Injection Lines: None
6. Disposal Lines: None

B. It is contemplated that, in the event of production, all new facilities will be easily accommodated on the drill pad on the solid base of cut and not placed on the fill areas.

1. No flagging then will be needed.

2. The dimensions of the production facilities and the location of facilities is drafted on Exhibit C. If production is obtained, then the unused areas will be restored as later described.
  3. Concrete as needed and any gravels needed will be purchased from private sources.
  4. All pits will be fenced to minimize any hazard to sheep, cattle, antelope and other animals that graze the area. Flagging material will be used as needed, if water or other fluid is produced.
- C. Rehabilitaion, whether the well is productive or dry, will be accomplished as soon as possible in those areas already described, and in accordance with Item 10 following.

5. Water Supply

Water source is shown on Exhibit D.

- A. The water permit number is (54802 49-368) and covers three locations. Water will probably be hauled from Pariette Draw located in Sec. 35, T. 9 S., R. 18 E.
- B. No pipelines are anticipated. Hauling will be on the road(s) shown in Exhibit D.
- C. No water well is anticipated to be drilled at this time.

6. Source of Construction Materials

- A. No construction material, insofar as drilling, will be needed.
- B. No construction materials will be obtained from Federal or Indian land.
- C. The native materials that will be used in the construction of this location site and access road will consist of sandy-clay soils and sandstone and shale materials gathered in actual construction of the road and location.
- D. Access roads crossing federal lands are shown under Items 1 & 2.

7. Handling Waste Disposals

1. Drill cuttings will be buried in the reserve pit when covered.
2. Drilling fluids will be handled in the reserve pit.
3. Any produced fluids during drilling tests or while making production tests will be collected in reserve pit.

4. Any sewage will be covered or removed and chemical toilets will be provided.
5. Garbage and other waste material will be enclosed in a wire mesh container, and then disposed of in an approved waste disposal facility.
6. After the rig moves out, all materials will be cleaned up and no adverse materials will be left on location. Any dangerous open pit will be fenced or covered.

8. Ancillary Facilities

No proposed airstrip, camp, or other facility will be constructed during the drilling or completion of this well.

9. Well Site Layout

1. Exhibit E is the drill pad layout on a scale of 1" = 40'.
2. & 3. Exhibit E is a layout of the drilling rig, pits, and burn pits. Parking and trailers will be along the north side of the area as shown. The access road will be from the north. Soil stockpiles are also shown on Exhibit E.
4. The reserve pit will not be lined. Steel mud pits may be used, at least in part, during drilling operations.

10. Plans for Restoration

1. Backfilling, leveling and gentle sloping is planned and will be accomplished as soon as possible after plugging or setting of production casing. Waste disposal and spoils materials will be buried or hauled away immediately after operations cease from drilling and/or completion.
2. The soil banked materials will be spread over the area and gentle sloping or contouring to meet the existing terrain. Revegetation will be by planting of native vegetation to the area or some other combination as recommended by The Bureau of Land Management.

The access road to the drill pad will be revegetated, if needed. Any damage to present existing roads will be repaired as needed.

3. Prior to rig release, the pits will be fenced on the fourth side and so maintained until cleanup is accomplished. The reserve pit will have fencing on three sides during drilling.

4. If any oil is on the pits, and is not immediately removed after operations cease, then the pit will be flagged overhead to keep birds and fowl out.
5. The commencement of rehabilitation operations will begin as soon as possible after drilling ceases. Planting will be planned as suggested by BLM.

11. Other Information

1. Topography: The site is located on a low sandy ridge with large relatively flat areas to the north and south.

Soil Characteristics and Geologic features: The soils of this semi-arid area are of the Uinta and Duchesne River formation (The Fluvial Sandstone & Mudstone) from the Eocene Epoch and Quaternary Epoch (gravel surfaces) and the visible geologic structures consists of light brownish-gray clays (OL) to sandy soils (SM-ML) with poorly graded gravels and shales with out crops of rock (sandstone, mudstone, conglomerates and shales).

Flora: Areas of sagebrush, rabbitbrush, some grasses and cacti, and large areas of bare soils devoid of any growth.

Fauna: Is sparse but consists predominantly of the mule deer, coyotes, pronghorn antelope, rabbits, and varieties of small ground squirrels and other types of rodents, and various reptiles common to the area. Birds of the area are raptors, finches, ground sparrows, mag pies, crows and jays.

2. Type of surface use activity: Primary purpose is grazing domestic livestock.

Surface ownership of all involved lands: BLM

3. Proximity of usable water (Shown on Exhibit D):

Occupied dwellings (if any, shown on Exhibit B): None

Archaeological or historical sites (if any, shown on Exhibit B):

None. Archeological Environmental Research Corp. Project #81-2.

12. Lessee's or Operator's Representative

James D. Holliman  
Manager of Operations  
MAPCO Production Company  
Alpine Executive Center  
1643 Lewis Ave., Suite 202  
Billings, Montana 59102

Phone: (406) 248-7406  
or  
(406) 656-8435

or

Darwin Kulland  
District Superintendent  
MAPCO Production Company  
P.O. Box 1360  
Roosevelt, Utah 84066

Phone : (801) 722-4521

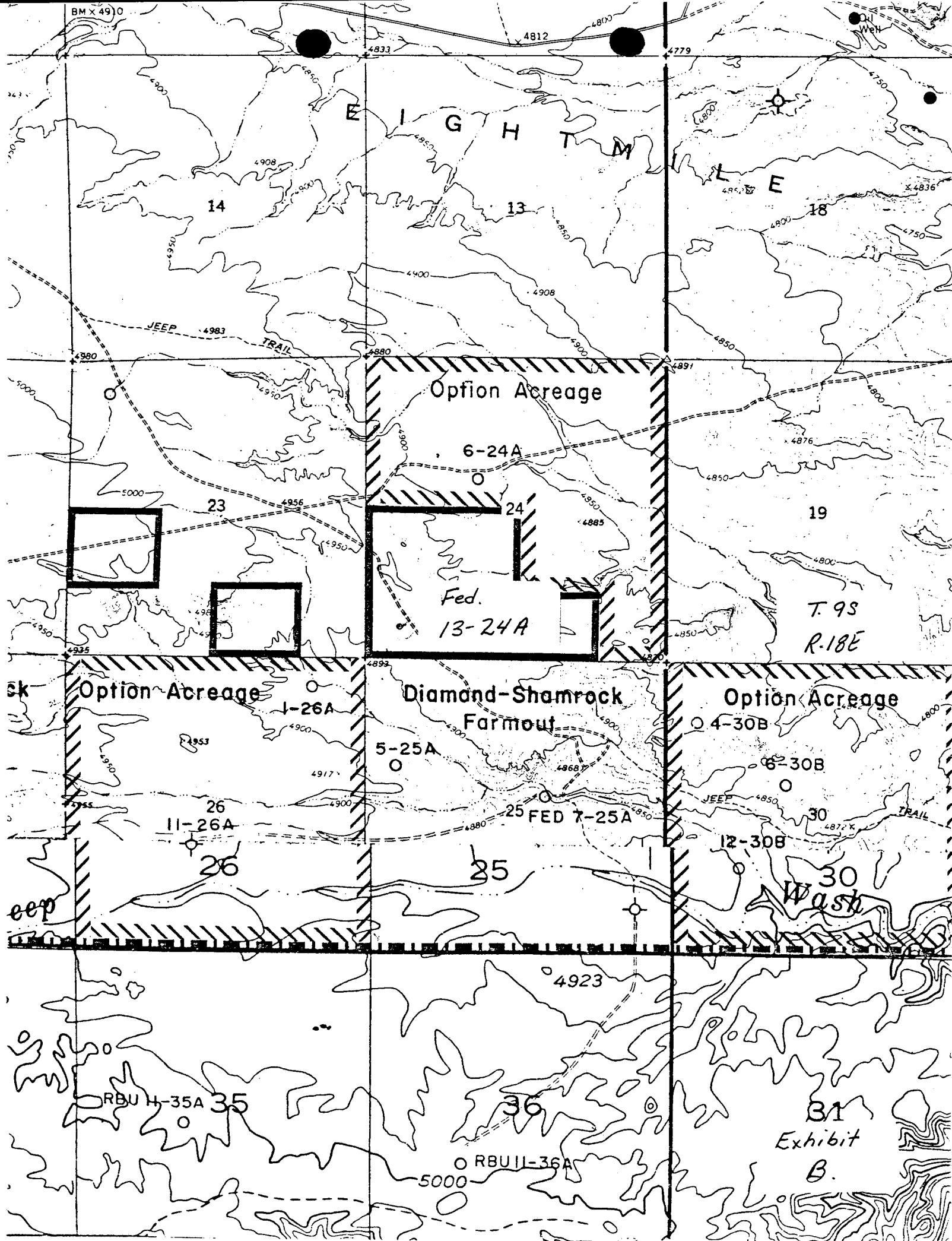
13. Certification

I hereby certify that I, or persons under my direct supervision, have inspected the proposed drillsite and access route; that I am familiar with the condition which presently exists; that the statements made in this plan are, to the best of my knowledge true and correct; and, that the work associated with the operations proposed herein will be performed by MAPCO PRODUCTION COMPANY and its contractors and sub-contractors in conformity with this plan and the terms and conditions under which it is approved.

March 17, 1981  
DATE

J. D. Holliman  
NAME

Manager of Operations  
TITLE



E I G H T M I L E

Option Acreage

6-24A

Fed.  
13-24A

T. 9S  
R. 18E

Option Acreage

Diamond-Shamrock  
Farmout

Option Acreage

4-30B

6-30B

JEEP TRAIL

12-30B

Wash

Exhibit  
B.

RBU 4-35A

RBU 11-36A

Exhibit  
C.

PUMPING UNIT

2-3/8", 4.7#, J-55 Tbg →

Flowline buried from wellhead to treater.

160'

Completely housed Direct Fired treater.  
Gas meter is a 2" Daniels Meter Run with  
Model 2020A Barton Meter having a two  
(2) pen recorder and 100"-100# spring.  
Production meter will be calibrated in  
place prior to any deliveries.

Pit fenced with wire mesh.

1" 1.72#/ft, J-55 Seamless Tbg.

WATER

TREATER

2-3/8", 4.7#/ft, J-55,  
CONDENSATE → Seamless Tbg

2-300 BBL Tanks

Blowdown line  
2-3/8", 4.7#, J-55

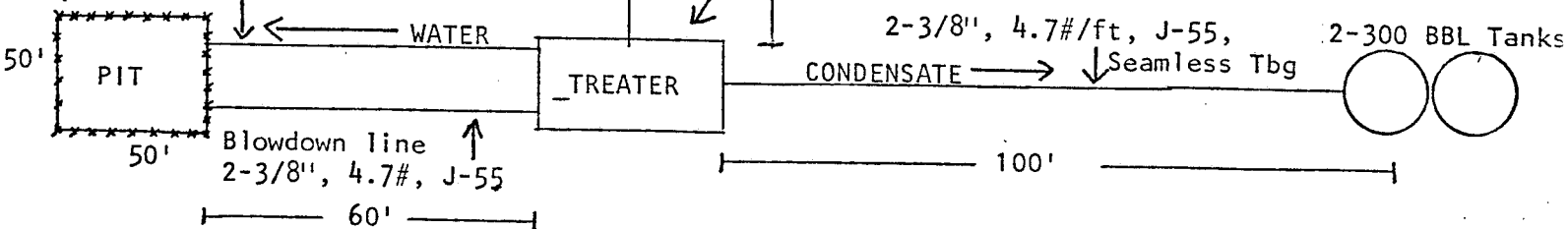
60'

100'

50'

PIT

50'





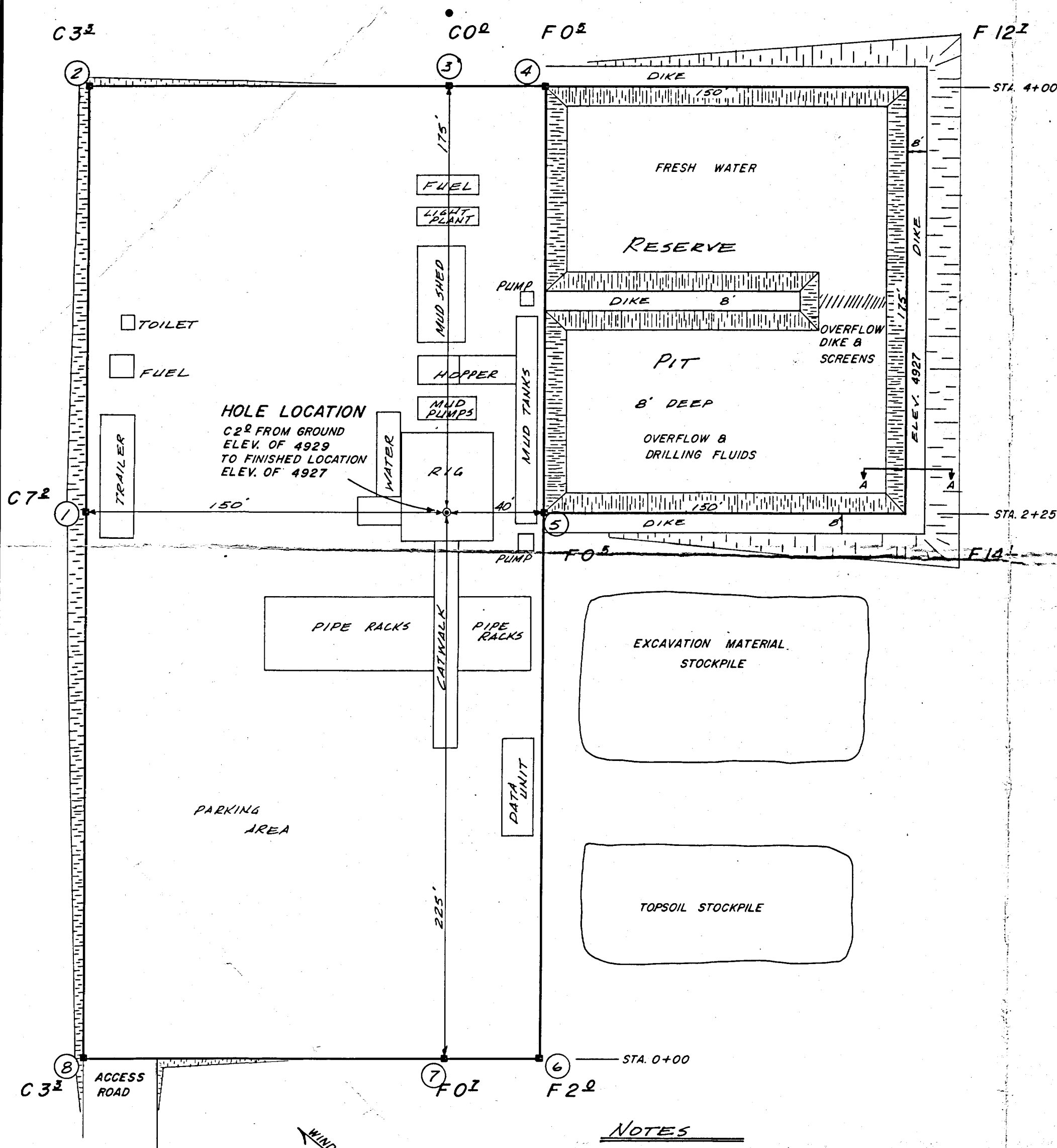


# MAPCO, INC.

## LAYOUT PLAT

### FEDERAL 13-24A

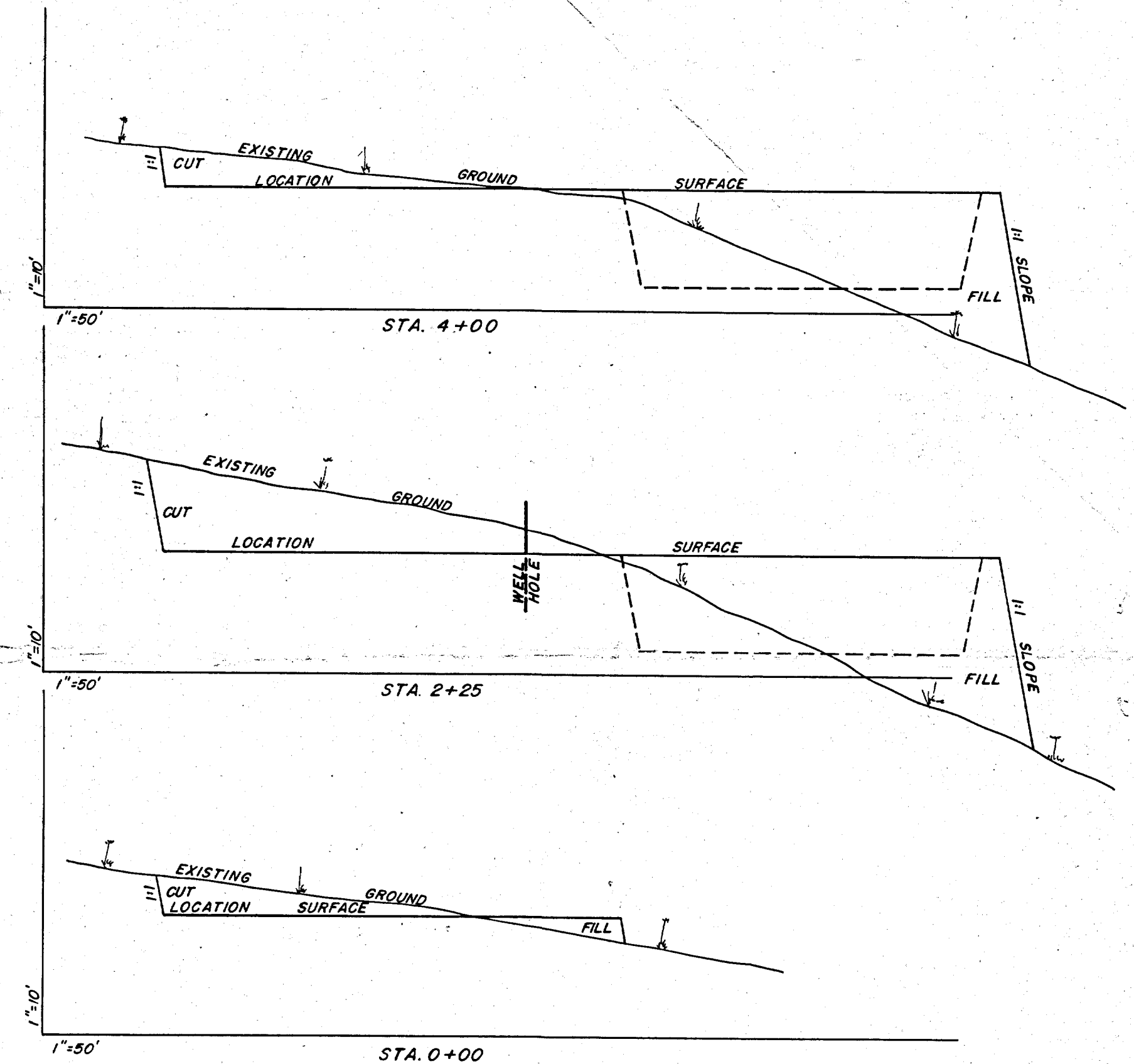
LOCATED IN THE SW 1/4 OF THE SW 1/4 OF  
SECTION 24, T 9 S, R 18 E, S. L. B. & M.



#### NOTES

The location is located on a low, sandy ridge with large, relatively flat open areas to the North and South. The soil is weathered sandstone.

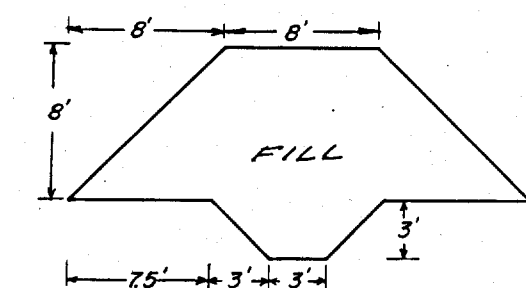
Re-route existing roadway around the location to the North.



#### APPROXIMATE QUANTITIES

CUT: 7,716 CU. YDS.

FILL: 6,084 CU. YDS.



KEYWAY A-A

Exhibit  
E

**JERRY D. ALLRED & ASSOCIATES**  
Surveying & Engineering Consultants

121 North Center Street  
P.O. Drawer C  
Duchesne, UTAH 84021  
(801) 738-5352

\*\* FILE NOTATIONS \*\*

DATE: March 31, 1981  
OPERATOR: Mapco Production Co.  
WELL NO: Federal 13-24A  
Location: Sec. 24 T. 9S R. 18E County: Wintah

File Prepared: ☒ Entered on N.I.D: ☒  
Card Indexed: ☒ Completion Sheet: ☒

API Number 43-047-30929

CHECKED BY:

Petroleum Engineer: M. J. Minder 4-17-81  
As an oil well only

Director: \_\_\_\_\_

Administrative Aide: OK C-3 spacing; OK on bndrys; OK on  
any other oil & gas wells.

APPROVAL LETTER:

Bond Required: ☐ Survey Plat Required: ☐

Order No. \_\_\_\_\_ O.K. Rule C-3 ☐

Rule C-3(c), Topographic Exception - company owns or controls acreage  
within a 660' radius of proposed site ☐

Lease Designation Fed. Plotted on Map ☐

Approval Letter Written ☒  
Hot Line ☒ P.I. ☒

April 24, 1981

Mapco Production Company  
1643 Lewis Ave., Suite 202  
Billings, Montana 59102

Re: Well No. Federal 13-24A  
Sec. 24, T. 9S, R. 18E, SW SW  
Uintah County, Utah

Insofar as this office is concerned, approval to drill the above referred to oil well is hereby granted in accordance with Rule C-3, General Rules and Regulations and Rules of Practice and Procedure. Please be advised that this is approved to be completed as an oil well only.

Should you determine that it will be necessary to plug and abandon this well, you are hereby requested to immediately notify the following:

MICHAEL T. MINDER - Petroleum Engineer  
Office: 533-5771  
Home: 876-3001

Enclosed please find Form OGC-8-X, which is to be completed whether or not water sands (aquifers) are encountered during drilling. Your cooperation in completing this form will be appreciated.

Further, it is requested that this Division be notified within 24 hours after drilling operations commence, and that the drilling contractor and rig number be identified.

The API number assigned to this well is 43-047-30929.

Sincerely,

DIVISION OF OIL, GAS, AND MINING

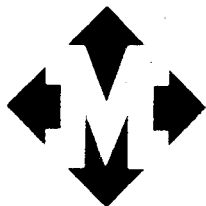
  
Michael T. Minder  
Petroleum Engineer

MTM/ko  
cc: USGS

May 28, 1981

As reported by Mapco Production Company, on the above date, the following locations will not be drilled.

- 1) Well No. Federal 1-25A  
Sec. 25, T. 9S, R. 18E,  
Uintah County, Utah
- 2) Well No. Federal 3-25A  
Sec. 25, T. 9S, R. 18E  
Uintah County, Utah
- 3) Well No. Federal 9-25A  
Sec. 25, T. 9S, R. 18E  
Uintah County, Utah
- 4) Well No. Federal 11-25A  
Sec. 25, T. 9S, R. 18E  
Uintah County, Utah
- 5) Well No. Federal 13-25A  
Sec. 25, T. 9S, R. 18E  
Uintah County, Utah
- 6) Well No. Federal 15-25A  
Sec. 25, T. 9S, R. 18E,  
Uintah County, Utah
- 7) Well No. Federal 11-24A  
Sec. 24, T. 9S, R. 18E,  
Uintah County, Utah
- 8) Well No. Federal 13-24A  
Sec. 24, T. 9S, R. 18E  
Uintah County, Utah
- 9) Well No. Federal 15-24A  
Sec. 24, T. 9S, R. 18E  
Uintah County, Utah
- 10) Well No. River Bend Unit 8-31C  
Sec. 31, T. 9S, R. 20E,  
Uintah County, Utah



# MAPCO

## PRODUCTION COMPANY

June 1, 1981

State of Utah  
Dept of Natural Resources  
Division of Oil, Gas & Mining  
1588 West North Temple  
Salt Lake City, Utah 84116

DIVISION OF  
OIL GAS & MINING

JUN 6 1981

Attn: Debbie

Dear Debbie;

Upon your request, I have listed the wells and status of each:

<u>Well Name</u>	<u>Location</u>	<u>Status</u>
Fed 12-30B	Sec 30, T9S, R19E	Will Not Drill
RBU 7-36B	Sec 36, T9S, R19E	" " "
RBU 11X-36B	Sec 36, T9S, R19E	" " "
RBU 11-24B	Sec 24, T9S, R19E	" " "
RBU 5-12D	Sec 12, T10S, R18E	Plan to Drill
RBU 11-19C	Sec 19, T9S, R20E	" " "
RBU 11-30C	Sec 30, T9S, R20E	Will Not Drill
RBU 11-15D	Sec 15, T10S, R18E	" " "
RBU 11-15E	Sec 15, T10S, R19E	" " "
RBU 1-16E	Sec 16, T10S, R19E	" " "
RBU 9-16E	Sec 16, T10S, R19E	" " "
RBU 2-11D	Sec 11, T10S, R18E	Plan to Drill
RBU 11X-2F	Sec 2, T10S, R20E	Will Not Drill
RBU 8-31C	Sec 31, T9S, R20E	" " "
Fed 1-25A	Sec 25, T9S, R18E	" " "
Fed 3-25A	Sec 25, T9S, R18E	" " "
Fed 9-25A	Sec 25, T9S, R18E	" " "
Fed 11-25A	Sec 25, T9S, R18E	" " "
Fed 13-25A	Sec 25, T9S, R18E	" " "
Fed 15-25A	Sec 25, T9S, R18E	" " "
Fed 11-24A	Sec 24, T9S, R18E	" " "
Fed 13-24A	Sec 24, T9S, R18E	" " "
Fed 15-24A	Sec 24, T9S, R18E	" " "

June 1, 1981  
Page 2

If there is any more information I can give you please let me know.

Very truly yours,

MAPCO Production Company

*Dick Baumann*

Dick Baumann  
Engineering Technician

REB/jlu

RECEIVED

JUN 2 1981

DIVISION OF  
OIL, GAS & MINING